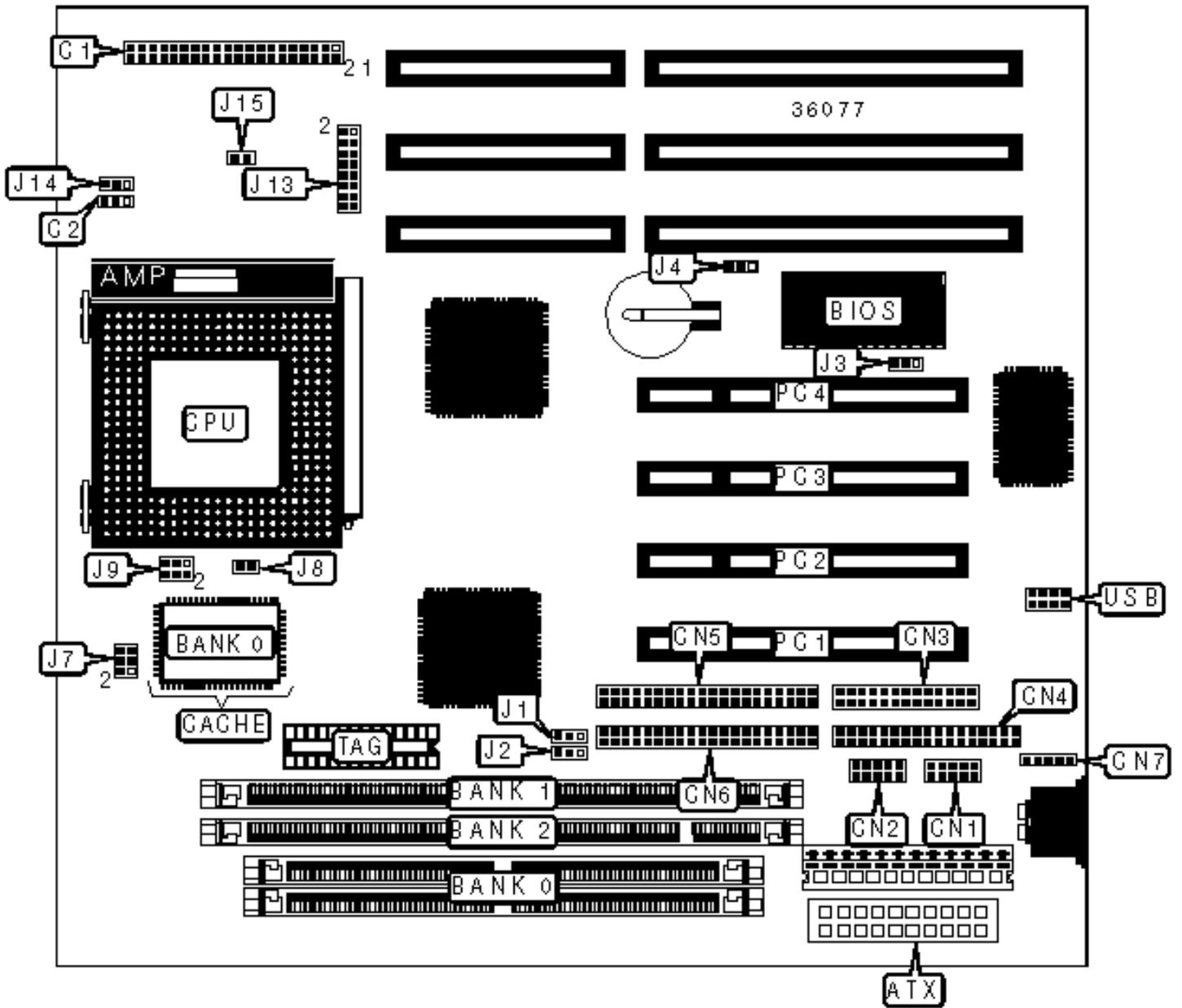


TOTEM TECHNOLOGY CO., LTD.

TM-586 TX4

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	C2
IR connector	C1/pins 1 - 5	Serial port 2	CN1
IR connector	C1/pins 7 - 10	Serial port 1	CN2
Green PC connector	C1/pins 12 & 13	Parallel port	CN3
Green PC LED	C1/pins 15 & 16	Floppy drive interface	CN4
IDE interface LED	C1/pins 18 & 19	IDE interface 2	CN5
Reset switch	C1/pins 21 & 22	IDE interface 1	CN6
Power LED & keylock	C1/pins 24 - 28	PS/2 mouse interface	CN7
Speaker	C1/pins 30 - 34	32-bit PCI slots	PC1 - PC4
Soft off power supply	C1/pins 36 & 37	USB connector	USB

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Factory configured - do not alter	J3	Unidentified
» CMOS memory normal operation	J4	Pins 1 & 2 closed
» CMOS memory clear	J4	Pins 2 & 3 closed
» Factory configured - do not alter	J14	Unidentified

SIMM CONFIGURATION

Size	Bank 0
8MB	(2) 1M x 36
16MB	(2) 2M x 36
32MB	(2) 4M x 36
64MB	(2) 8M x 36

128MB	(2) 16M x 36
256MB	(2) 32M x 36
Note: Board accepts EDO memory.	

DIMM CONFIGURATION		
Size	Bank 1	Bank 2
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64
24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64

DIMM CONFIGURATION		
Size	Bank 1	Bank 2
96MB	(1) 8M x 64	(1) 4M x 64
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64

160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

DIMM VOLTAGE CONFIGURATION		
Voltage	J1	J2
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CACHE CONFIGURATION		
Size	Bank 0	TAG
256KB	(1) 32K x 64	Unidentified
512KB	(1) 64K x 64	Unidentified

CPU SPEED SELECTION (CX 6X86)								
CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J9/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
120MHz	50MHz	2x	Closed	Closed	Closed	Closed	Open	Open
133MHz	55MHz	2x	Open	Closed	Open	Closed	Open	Open
150MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
166MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
200MHz	75MHz	2x	Open	Closed	Open	Closed	Open	Open

CPU SPEED SELECTION (CX 6X86MX)								
CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J9/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
166MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open

200MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
233MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open
266MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (CX MII)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
300MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open

CPU SPEED SELECTION (AM 5K86)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open

CPU SPEED SELECTION (AM K5)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
133MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
166MHz	66MHz	1.75x	Closed	Open	Closed	Closed	Closed	Open

CPU SPEED SELECTION (AM K6)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J2/ pins 3 & 4	J9/ pins 5 & 6
166MHz	66MHz	2.5x	Closed	Open	Closed	Closed	Closed	Open
200MHz	66MHz	3x	Closed	Open	Closed	Open	Closed	Open

233MHz	66MHz	3.5x	Closed	Open	Closed	Open	Open	Open
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed
300MHz	66MHz	4.5x	Closed	Open	Closed	Closed	Closed	Closed

CPU SPEED SELECTION (INTEL)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J9/ pins 3 & 4	J10/ pins 5 & 6
75MHz	50MHz	1.5x	Closed	Closed	Closed	Open	Open	Open
90MHz	60MHz	1.5x	Open	Closed	Closed	Open	Open	Open
100MHz	66MHz	1.5x	Closed	Open	Closed	Open	Open	Open
120MHz	60MHz	2x	Open	Closed	Closed	Closed	Open	Open
133MHz	66MHz	2x	Closed	Open	Closed	Closed	Open	Open
150MHz	60MHz	2.5x	Open	Closed	Closed	Closed	Closed	Open

CPU SPEED SELECTION (INTEL MMX)

CPU speed	Clock speed	Multiplier	J7/ pins 1 & 2	J2/ pins 3 & 4	J4/ pins 5 & 6	J8/ pins 1 & 2	J9/ pins 3 & 4	J10/ pins 5 & 6
166MHz	66MHz	2.5x	Closed	Closed	Open	Closed	Open	Closed
200MHz	66MHz	3x	Open	Closed	Open	Closed	Open	Closed
233MHz	66MHz	3.5x	Open	Open	Open	Closed	Open	Closed
266MHz	66MHz	4x	Closed	Open	Closed	Closed	Open	Closed

CPU VOLTAGE SELECTION (SINGLE)

Voltage	J8	J13	J15
3.38v	Closed	Pins 3 & 4 closed	Open
3.52v	Closed	Pins 1 & 2 closed	Open

CPU VOLTAGE SELECTION (DUAL)

Voltage	J8	J13	J15
2.2v	Open	Pins 13 & 14 closed	Closed
2.8v	Open	Pins 9 & 10 closed	Closed
2.9v	Open	Pins 7 & 8 closed	Closed
3.2v	Open	Pins 5 & 6 closed	Closed